

ABSTRACT

A stepping motor stator stack and rotor stack finishing method whereby the burrs remaining on the small tooth surfaces of the stacks can be eliminated and prevented from lodging in the spaces between laminations of a plurality of stacked steel plates, without causing a dulling of these small teeth. After abrasive finishing is carried out, a high pressure liquid jet spray nozzle is introduced into the central cylindrical cavity of a stator stack, and while this is moved relatively along the central axis of the central cylindrical cavity and rotated relatively centered on the central axis of the central cylindrical cavity, the high pressure liquid jet sprayed from the jet orifices strikes the small tooth surfaces of the stator stack facing the central cylindrical cavity so as to remove the burrs remaining on the small tooth surfaces.